

SEQUENCE LISTING

<160> 14

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2/8

atg gag ctg agc agc ctg aga tct gag gac acg gcc gtg tat tac tgt 288

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys

85

90

95

gca aca gat ctt ggc gga ggt gac tac tac tac ggt atg gac gtc tgg 336

Ala Thr Asp Leu Gly Gly Gly Asp Tyr Tyr Tyr Gly Met Asp Val Trp

100

105

110

ggc cca ggg acc acg gtc acc gta tcc tca

366

Gly Pro Gly Thr Thr Val Thr Val Ser Ser

115

120

<210> 2

<211> 122

<212> PRT

<213> Homo sapiens

<400> 2

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser

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Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr

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30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met

35

40

45

Gly Gly Phe Asp Pro Glu Asp Gly Glu Thr Ile Tyr Ala Gln Lys Phe

50

55

60

Gln Gly Arg Val Thr Met Thr Glu Asp Thr Ser Thr Asp Thr Ala Tyr

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70

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80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys

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Ala Thr Asp Leu Gly Gly Gly Asp Tyr Tyr Tyr Gly Met Asp Val Trp

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110

3/8

Gly Pro Gly Thr Thr Val Thr Val Ser Ser

115

120

<210> 3

<211> 5

<212> PRT

<213> Homo sapiens

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<210> 4

<211> 17

<212> PRT

<213> Homo sapiens

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<223> CDR2 corresponding to amino acids No. 50 to No. 66 in SEQ ID NO: 2

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Gly Phe Asp Pro Glu Asp Gly Glu Thr Ile Tyr Ala Gln Lys Phe Gln

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Gly

<210> 5

<211> 13

<212> PRT

<213> Homo sapiens

<220>

4/8

<223> CDR3 corresponding to amino acids No. 99 to No. 111 in SEQ ID NO:

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Asp Leu Gly Gly Gly Asp Tyr Tyr Tyr Gly Met Asp Val

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<210> 6

<211> 324

<212> DNA

<213> Homo sapiens

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Asp Ile Gln Leu Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly

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gac aga gcc acc atc tct tgc cgg tct agt cag agc att aac acc tat 96

Asp Arg Ala Thr Ile Ser Cys Arg Ser Ser Gln Ser Ile Asn Thr Tyr

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25

30

tta cat tgg tat cag cag aaa cca ggg gaa gcc cct aaa ctc ctg atc 144

Leu His Trp Tyr Gln Gln Lys Pro Gly Glu Ala Pro Lys Leu Leu Ile

35

40

45

tat gct gct tcc acc ttg caa agt ggg gtc cca tca aga ttc agt ggc 192

Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly

50

55

60

agt gga tct ggg aca gat ttc act ctc acc atc acc act ctc caa cct 240

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Thr Thr Leu Gln Pro

65

70

75

80

gaa gat ttt gca act tat tac tgc caa cag agt ttc act acc cca ctc 288

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Phe Thr Thr Pro Leu

85

90

95

5/8

act ttc ggc gga ggg acc aag gtg gag atc aaa cgt 324
Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 7

<211> 108

<212> PRT

<213> Homo sapiens

<400> 7

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Asp Arg Ala Thr Ile Ser Cys Arg Ser Ser Gln Ser Ile Asn Thr Tyr
20 25 30
Leu His Trp Tyr Gln Gln Lys Pro Gly Glu Ala Pro Lys Leu Leu Ile
35 40 45
Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Thr Thr Leu Gln Pro
65 70 75 80
Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Phe Thr Thr Pro Leu
85 90 95
Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 8

<211> 11

<212> PRT

<213> Homo sapiens

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6/8

<223> CDR1 corresponding to amino acids No. 24 to No. 34 in SEQ ID NO: 7

<400> 8

Arg Ser Ser Gln Ser Ile Asn Thr Tyr Leu His

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<210> 9

<211> 7

<212> PRT

<213> Homo sapiens

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<223> CDR2 corresponding to amino acids No. 50 to No. 56 in SEQ ID NO: 7

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Ala Ala Ser Thr Leu Gln Ser

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<210> 10

<211> 9

<212> PRT

<213> Homo sapiens

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<223> CDR3 corresponding to amino acids No. 89 to No. 97 in SEQ ID NO: 7

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<210> 11

<211> 42

<212> DNA

<213> Artificial

<220>

<223> VH chain sense primer

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42

<210> 12

<211> 20

<212> DNA

<213> Artificial

<220>

<223> VH chain antisense primer

<400> 12

tgaggatacg gtgaccgtgg

20

<210> 13

<211> 42

<212> DNA

<213> Artificial

<220>

<223> VL chain sense primer

<400> 13

cgtggctcct gggccacag cgacatccag ttgaccagct ct

42

<210> 14

<211> 20

<212> DNA

<213> Artificial

<220>

<223> VL chain antisense primer

<400> 14

acgtttgatc tccaccttgg

20

